

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

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SECRETARY

JOHN AUERBACH
COMMISSIONER

01/13/2011

Jennifer Bahnson
Assistant District Attorney, Middlesex County

Dear ADA Bahnson,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Annie Dookhan & Della Saunders.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

I, Annie Dookhan, was the custodial chemist and performed the preliminary testing and net weight for this sample. Della Saunders was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Khan".

Annie Khan (Dookhan)
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631



The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
State Laboratory Institute

Boston Drug
Laboratory
Tel (617) 983-6622
Fax (617) 983-6625

Amherst Drug
Laboratory
Tel (413) 545-2601
Fax (413) 545-2608

Boston Hours
8:00 – 11:00
2:00 – 4:00

Amherst Hours
9:00 – 12:00

DRUG RECEIPT

City or Department: Cambridge Police Reference

Name and Rank of Submitting Officer: Kevin Cavanagh E/O

Defendant(s) Name (last, first, initial)

Description of Samples

To be completed by Lab Personnel
Gross Weight Lab Number

Knotted pl bag containing wht
granular/rock substance

3.61g

Received by: AS

Date: 6/17/09

No. [REDACTED]

Date Analyzed: FEB 04 2010

City: Cambridge Police Dept.

Officer: Evidence Officer KEVIN CAVANAGH

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 06/17/2009

No. Analyzed:

Gross Wt.: 3.61

Net Weight: 0.06

Tests: 600

Prelim: cocaine @

Findings:

cocaine

to 100%

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, January 2004.

*Responsible for the identification of drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals.

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Della Saunders

Education:

Boston University Boston, MA. Bachelors of Arts in Chemistry 1982

Experience:

1985-present: Currently Chemist III Massachusetts Department of Public Health Drug Analysis Laboratory at State Laboratory Institute Boston, MA. Responsible for analyzing unknown substances submitted by Massachusetts law enforcement agencies; operating, maintaining, and interpreting data from analytical equipment (analytical balance, microscope, gas chromatogram, ultraviolet spectrometer, infrared spectrometer, gas chromatogram/mass spectrometer); training junior level chemists; providing expert testimony to local, state, and federal courts in the Commonwealth of Massachusetts.

1984-1985: Laboratory Technician in the Media Laboratory at State Laboratory Institute Boston, MA. Responsible for making chemical reagents and media plates; operating and maintaining laboratory equipment (autoclave, pH meter, ultra-violet hood), and collecting safety data for laboratory protocols.

Training:

1985: Six week training with Senior Staff at Massachusetts Department of Public Health (MDPH) Drug Analysis Laboratory Boston, MA. Appointed Assistant Analyst MDPH

1987: One week training course in drug analysis given by the Federal Drug Enforcement Agency (DEA) McLean, VA.

1992: Training in Gas Chromatograph/Mass Spectroscopy (GC/MS) Hewlett Packard (Agilent)

1996: Training in Fourier Transform Infra-Red Spectroscopy ETA (Analect)

2001: Expert Witness Workshop National Laboratory Training network Quality Assurance/Quality Control Training (MDPH)

2002: Techniques of Supervision Training (MDPH)

1999: Notary Public Commonwealth of Massachusetts

DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY Cambridge ANALYST ASJ

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

off white chunky substance
loose in 1 pb

Gross Wt ():

Gross Wt ():

Pkg. Wt:

Net Wt: 0.0626

net wt = 0.0558

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (-) +

Marquis -

Froehde's -

Mecke's -

Microcrystalline Tests

Gold
Chloride +

TLTA (-) +

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 1-28-10

GC/MS CONFIRMATORY TEST

RESULTS cocaine

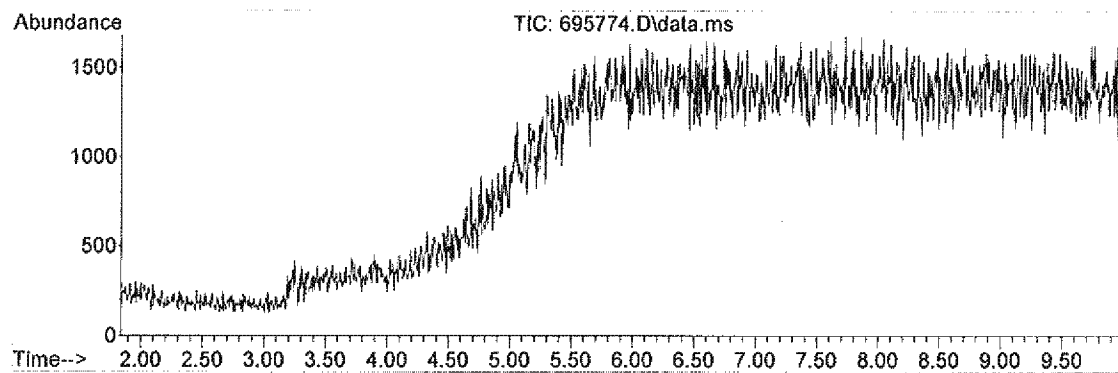
MS
OPERATOR DCS

DATE 2-4-10

✓ R.P. 10
1-6-11

Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\02_02_10\695774.D
Operator : DCS
Date Acquired : 2 Feb 2010 23:46
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

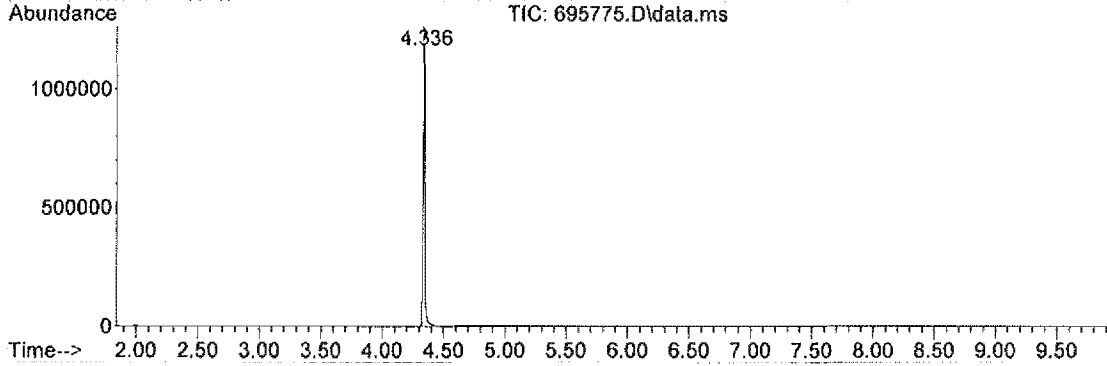


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\02_02_10\695775.D
Operator : DCS
Date Acquired : 2 Feb 2010 23:59
Sample Name : COCAINE STANDARD
Submitted by :
Vial Number : 75
AcquisitionMeth: DRUGS.M
Integrator : RTE



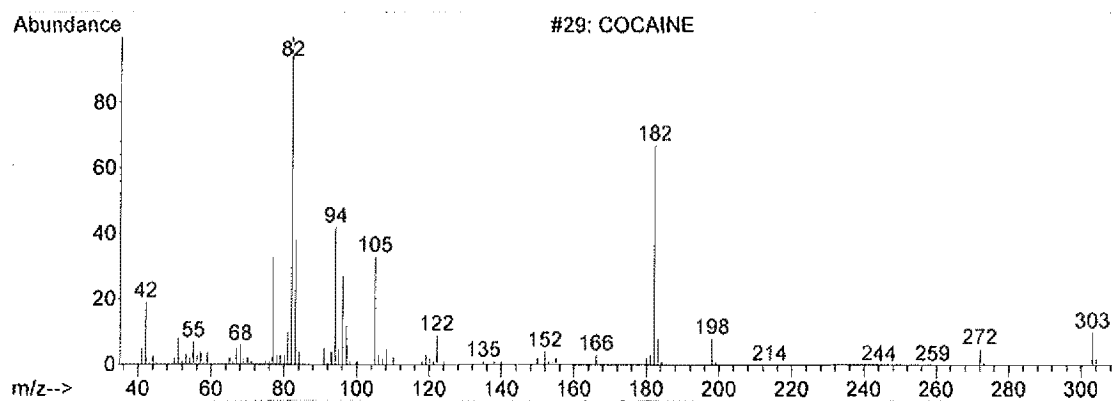
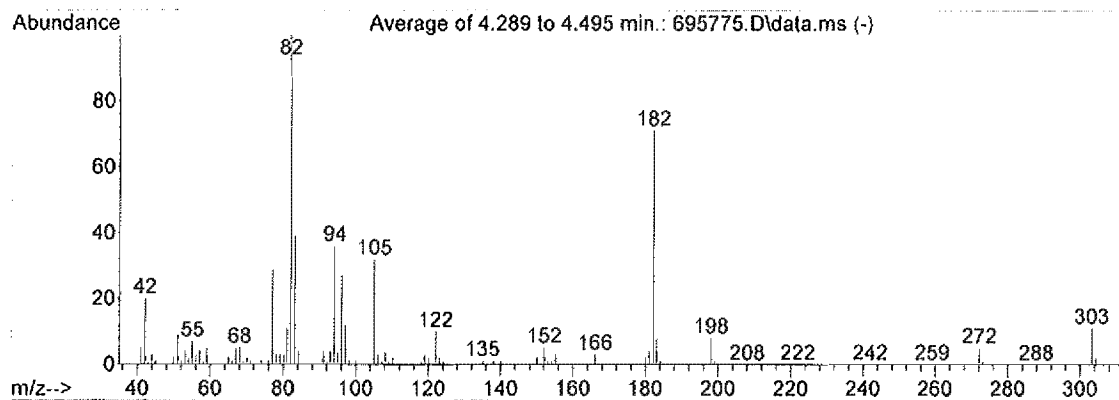
Ret. Time	Area	Area %	Ratio %
4.336	1278551	100.00	100.00

Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\02_02_10\695775.D
Operator : DCS
Date Acquired : 2 Feb 2010 23:59
Sample Name : COCAINE STANDARD
Submitted by :
Vial Number : 75
AcquisitionMeth: DRUGS.M
Integrator : RTE

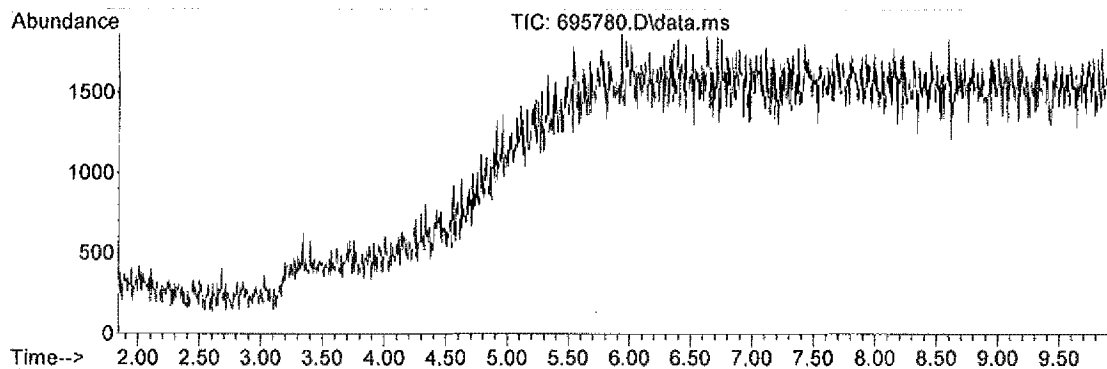
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.34	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\02_02_10\695780.D
Operator : DCS
Date Acquired : 3 Feb 2010 1:02
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

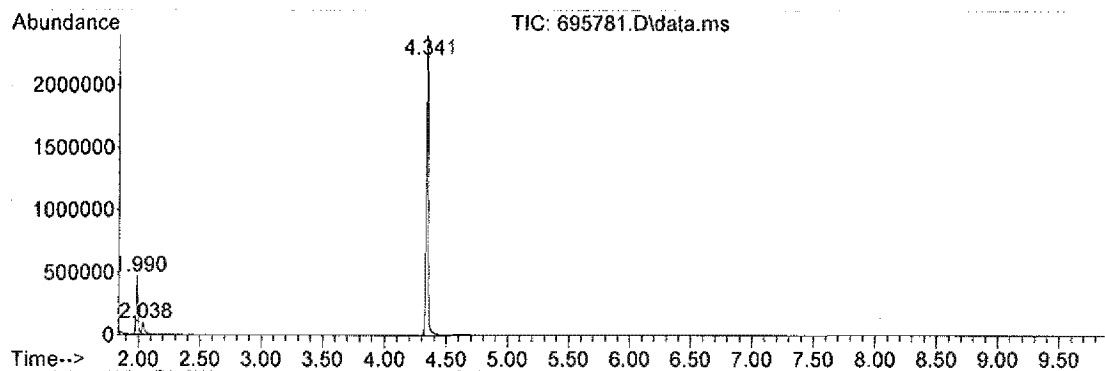


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\02_02_10\695781.D
Operator : DCS
Date Acquired : 3 Feb 2010 1:15
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 81
AcquisitionMeth: DRUGS.M
Integrator : RTE



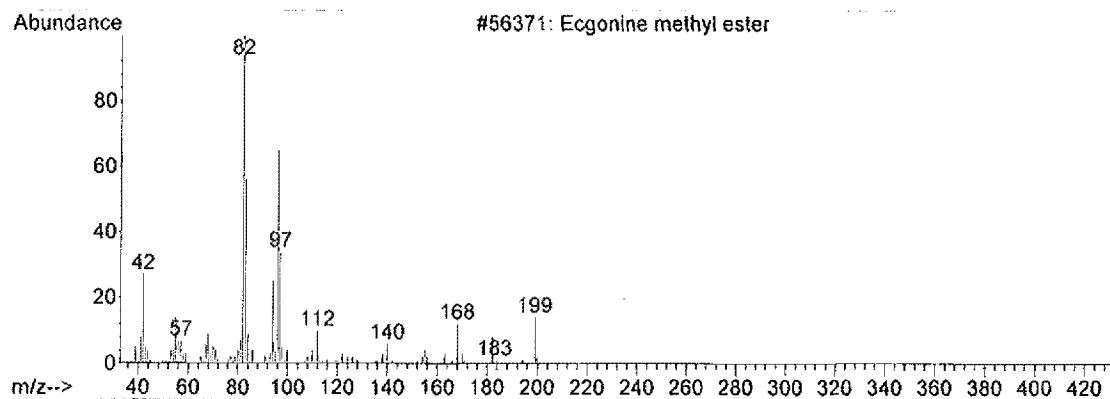
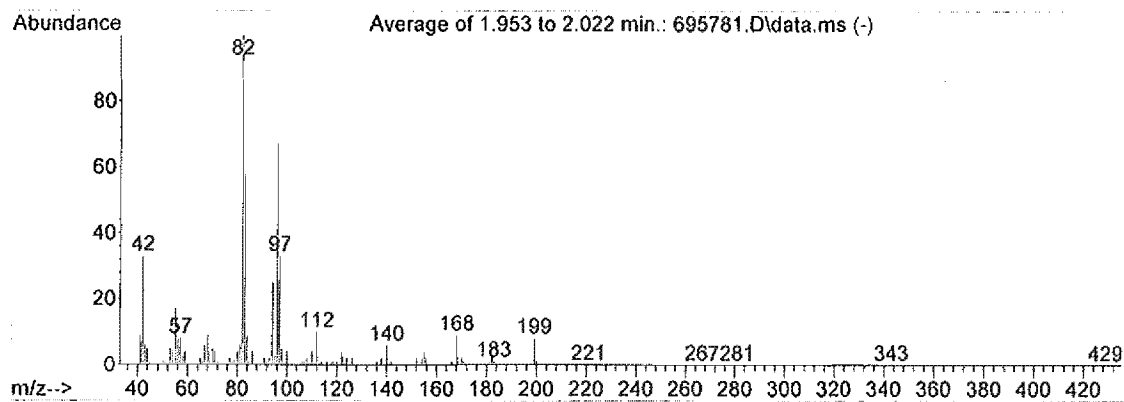
Ret. Time	Area	Area %	Ratio %
1.990	476815	14.08	17.21
2.038	139538	4.12	5.04
4.341	2770814	81.80	100.00

Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\02_02_10\695781.D
Operator : DCS
Date Acquired : 3 Feb 2010 1:15
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 81
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	1.99	C:\Database\NIST05a.L		
		Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester	106293-60-1	97
		Pseudoecgonine methyl ester	099189-88-5	96

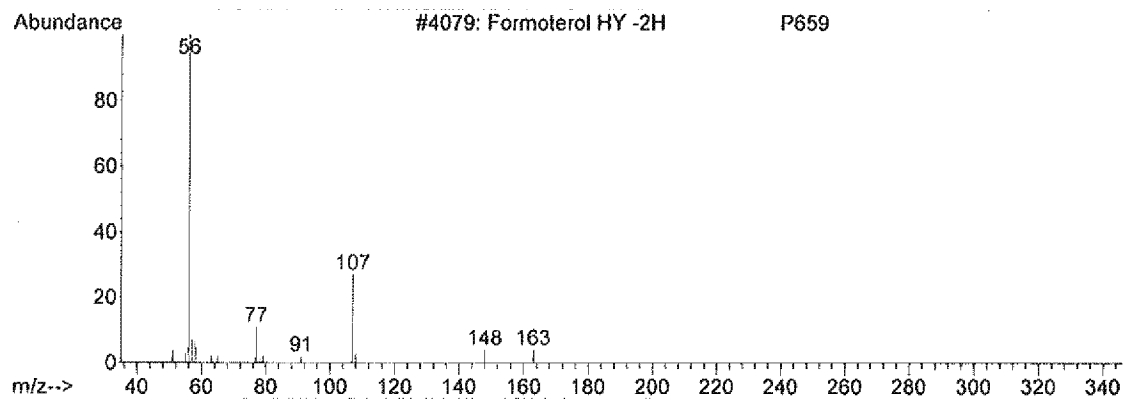
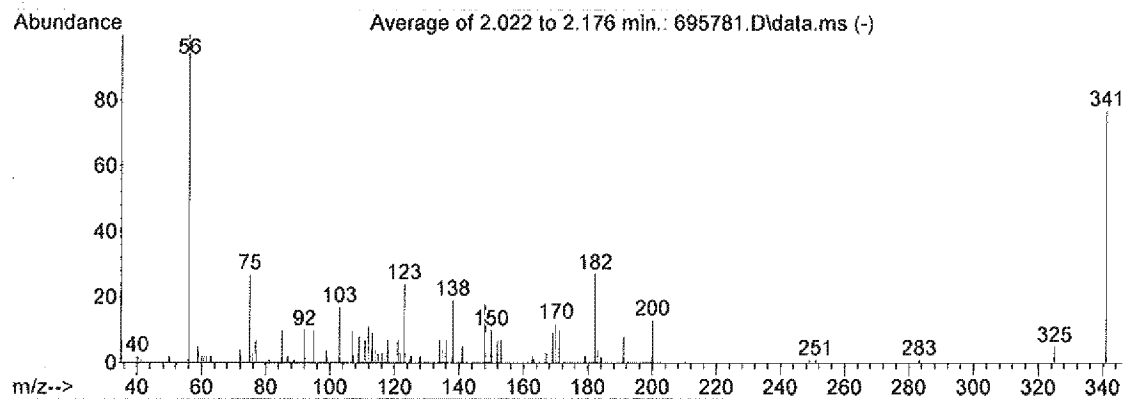


Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\02_02_10\695781.D
Operator : DCS
Date Acquired : 3 Feb 2010 1:15
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 81
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	2.04	C:\Database\PMW_TOX2.L		
		Formoterol HY -2H	000000-00-0	9
		MDA formyl artifact	000000-00-0	8
		Piperazine 2AC	000000-00-0	7

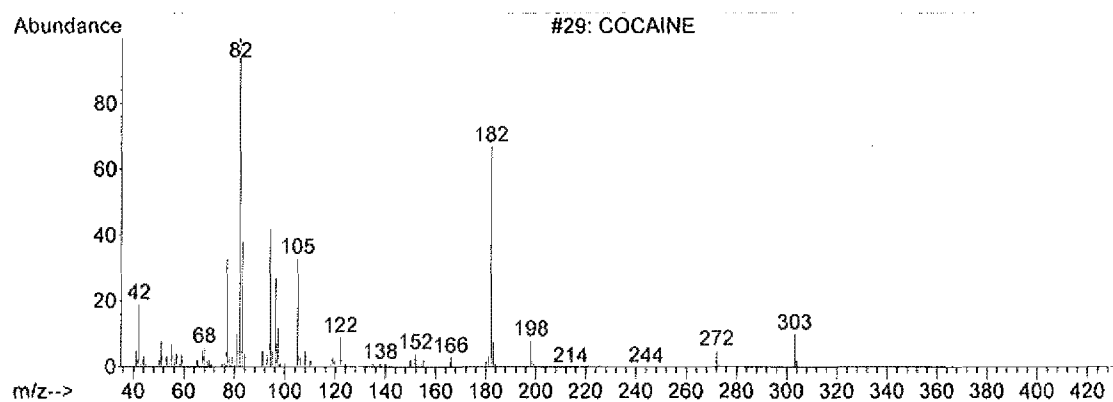
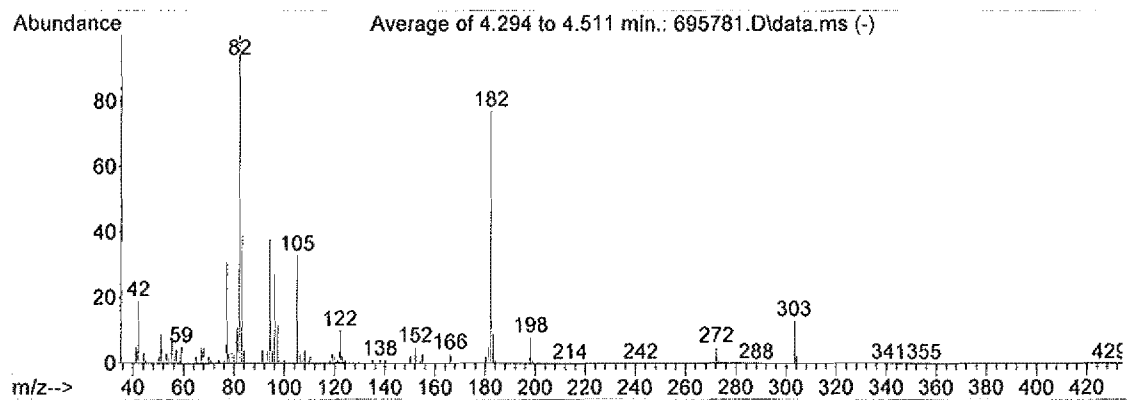


Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\02_02_10\695781.D
Operator : DCS
Date Acquired : 3 Feb 2010 1:15
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 81
AcquisitionMeth: DRUGS.M
Integrator : RTE

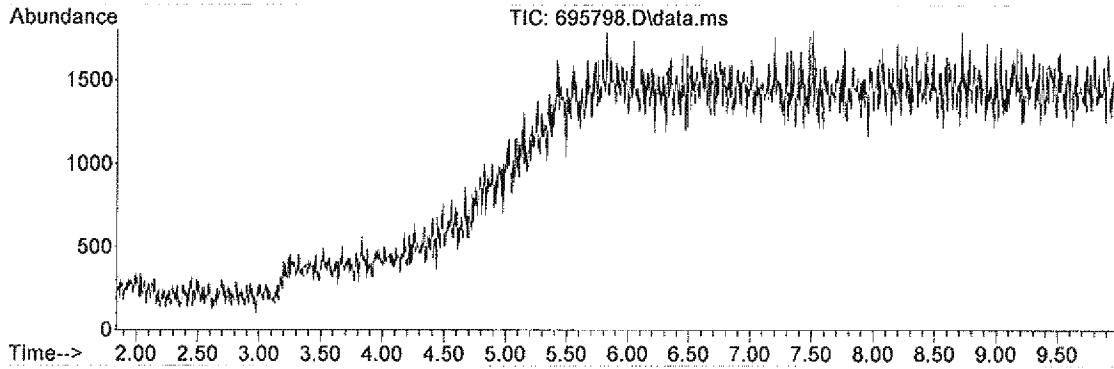
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	4.34	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\02_02_10\695798.D
Operator : DCS
Date Acquired : 3 Feb 2010 4:51
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

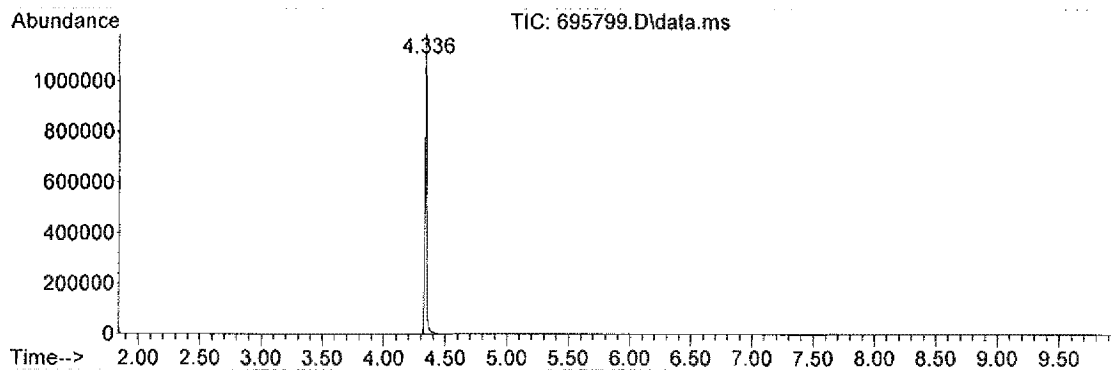


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\02_02_10\695799.D
Operator : DCS
Date Acquired : 3 Feb 2010 5:03
Sample Name : COCAINE STANDARD
Submitted by :
Vial Number : 99
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.336	1153241	100.00	100.00

Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\02_02_10\695799.D
Operator : DCS
Date Acquired : 3 Feb 2010 5:03
Sample Name : COCAINE STANDARD
Submitted by :
Vial Number : 99
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.34	C:\Database\SLI.L COCAINE	000050-36-2	99

